L Number	Hits	Search Text	DB	Time stamp
2	3	5916365.pn. or 4423701.pn. or 6497767.pn.	USPAT;	2004/09/17 12:45
_		0510505.pm. OI 4425/01.pm. Of 045//0/.pm.	US-PGPUB	2001,00/1/ 12.40
-	498	atomic adj layer adj deposition	USPAT; US-PGPUB	2004/09/17 11:37
_	194	(atomic adj layer adj deposition) and chamber and region\$1	USPAT; US-PGPUB	2003/02/27 15:50
-	94	((atomic adj layer adj deposition) and chamber and region\$1) and @ad<=20010727	USPAT; US-PGPUB	2003/02/27 16:43
-	67	(((atomic adj layer adj deposition) and chamber and region\$1) and @ad<=20010727) and wafer	USPAT; US-PGPUB	2003/02/27 15:51
-	16	((((atomic adj layer adj deposition) and chamber and region\$1) and @ad<=20010727) and wafer) and support	USPAT; US-PGPUB	2003/02/27 15:51
-	12	<pre>(((((atomic adj layer adj deposition) and chamber and region\$1) and @ad<=20010727) and wafer) and support) and heater</pre>	USPAT; US-PGPUB	2003/02/27 16:01
	1	5951776.pn.	USPAT; US-PGPUB	2003/02/27 16:06
-	1	6525747.pn.	USPAT; US-PGPUB	2003/02/27 16:40
-	1	"6174805".PN.	USPAT; US-PGPUB	2003/02/27 16:36
_	1	"6132514".PN.	USPAT; US-PGPUB	2003/02/27 16:36
-	1	"6071552".PN.	USPAT; US-PGPUB	2003/02/27 16:37
_	1	"5998871".PN.	USPAT; US-PGPUB	2003/02/27 16:37
_	1	"5998871".PN.	USPAT; US-PGPUB	2003/02/27 16:37
_	1	"5972785".PN.	USPAT; US-PGPUB	2003/02/27 16:37
-	1	"5916365".PN.	USPAT; US-PGPUB	2003/02/27 16:37
-	1	"5416045".PN.	USPAT; US-PGPUB	2003/02/27 16:38
_	1	"5344792".PN.	USPAT; US-PGPUB	2003/02/27 16:38
-	1	"6190732".PN.	USPAT; US-PGPUB	2003/02/27 16:39
_	1	"6174377".PN.	USPAT; US-PGPUB	2003/02/27 16:39
_	1	"5935338".PN.	USPAT; US-PGPUB	2003/02/27 16:40
_	1	"5879459".PN.	USPAT; US-PGPUB	2003/02/27 16:40
_	1	"5582866".PN.	USPAT; US-PGPUB	2003/02/27 16:40
_	655	700/121.ccls.	USPAT; US-PGPUB	2003/02/27 16:40
-	213	700/121.ccls. and deposition	USPAT; US-PGPUB	2003/02/27 16:41
_	113	(700/121.ccls. and deposition) and chamber	USPAT; US-PGPUB	2003/02/27 16:41
_	90	((700/121.ccls. and deposition) and chamber) and @ad<=20010727	USPAT; US-PGPUB	2003/03/03 14:47
-	3	(((700/121.ccls. and deposition) and chamber) and @ad<=20010727) and piston	USPAT; US-PGPUB	2003/02/27 16:41
_	1	(((atomic adj layer adj deposition) and chamber and region\$1) and @ad<-20010727) and piston	USPAT; US-PGPUB	2003/02/27 16:50
_	1228	118/719.ccls.	USPAT; US-PGPUB	2003/02/27 16:50
-	55	118/719.ccls. and wafer and piston	USPAT; US-PGPUB	2003/02/27 16:50
- -	16	(118/719.ccls. and wafer and piston) and aperture	USPAT; US-PGPUB	2003/02/27 16:51
-	15	kosowski.xa.	USPAT; US-PGPUB	2003/03/03 14:05

-	4183	deposition and wafer and support and chamber and region\$2 and temperature and	USPAT; US-PGPUB	2003/03/03 14:47
	3626	two and gas (deposition and wafer and support and chamber and region\$2 and temperature and	USPAT; US-PGPUB	2003/03/03 17:34
-	167	two and gas) and @ad<=20010727	USPAT; US-PGPUB	2003/03/03 14:50
-	11	two and gas) and @ad<=20010727) and piston (((deposition and wafer and support and chamber and region\$2 and temperature and	USPAT; US-PGPUB	2003/03/03 14:51
<u>.</u>		two and gas) and @ad<=20010727) and piston) and monolayer	USPAT;	2003/03/03 14:51
	90	chamber and region\$2 and temperature and two and gas) and @ad<=20010727) and atomic adj layer	US-PGPUB	2003/03/03 14.31
_	1413684	(((deposition and wafer and support and chamber and region\$2 and temperature and two and gas) and @ad<=20010727) and atomic	USPAT; US-PGPUB	2003/03/03 14:53
_	90	adj layer) and deposition near\$5 region\$1	USPAT; US-PGPUB	2003/03/03 16:18
		region\$1)		0000/00/00 15 11
-	1	"6174805".PN.	USPAT; US-PGPUB	2003/03/03 15:11
-	1	"6132514".PN.	USPAT: US-PGPUB	2003/03/03 15:11
_	1	"6071552".PN.	USPAT; US-PGPUB	2003/03/03 15:11
-	1	"5998871".PN.	USPAT; US-PGPUB	2003/03/03 15:11
-	4	((deposition and wafer and support and chamber and region\$2 and temperature and two and gas) and @ad<=20010727) and	USPAT; US-PGPUB	2003/03/03 16:35
_	64	moveable adj support deposition and moveable adj support	USPAT; US-PGPUB	2003/03/03 16:35
_	62	(deposition and moveable adj support) and @ad<=20010727	USPAT; US-PGPUB	2003/03/03 16:37
_	25	((deposition and moveable adj support) and @ad<=20010727) and wafer	USPAT; US-PGPUB	2003/03/03 17:16
_	1	"5013400".PN.	USPAT; US-PGPUB	2003/03/03 16:45
_	1	"4990374".PN.	USPAT; US-PGPUB	2003/03/03 16:45
_	1	"4978412".PN.	USPAT; US-PGPUB	2003/03/03 16:46
_	1	"4963713".PN.	USPAT; US-PGPUB	2003/03/03 16:46
_	655	700/121.ccls.	USPAT; US-PGPUB	2003/03/03 17:16
-	2	700/121.ccls. and atomic adj layer adj deposition	USPAT; US-PGPUB	2003/03/03 17:33
~	21		USPAT;	2003/03/03 17:33
-	21	(interconnected with deposition with region\$2) and @ad<=20010727	USPAT; US-PGPUB	2003/03/04 10:10
-	1	4423701.pn.	USPAT; US-PGPUB	2003/03/04 10:10
_	1	4423701.pn. and (heater or temperature)	USPAT;	2003/03/04 11:13
_	9	(US-6524952-\$ or US-6387185-\$ or US-5916365-\$ or US-5292554-\$ or US-4423701-\$ or US-4664939-\$).did. or	USPAT; US-PGPUB	2003/03/04 13:26
		(US-20020197863-\$ or US-20020076490-\$ or US-20020056414-\$).did.		

			,	
-	2	((US-6524952-\$ or US-6387185-\$ or	USPAT;	2003/03/04 13:51
1		US-5916365-\$ or US-5292554-\$ or	US-PGPUB	
		US-4423701-\$ or US-4664939-\$).did. or (US-20020197863-\$ or US-20020076490-\$ or		1
]	US-20020197865-3 01 US-20020076490-3 01 US-20020056414-\$).did.) and aperture	1	}
_	0	4423701.pn. and gase	USPAT;	2003/03/04 13:51
		11do / 01 · pii. and gabo	US-PGPUB	
-	1	4423701.pn. and gas	USPAT:	2003/03/04 13:51
	[_	US-PGPUB	{
-	1	4664939.pn. and gas	USPAT;	2003/03/04 14:09
			US-PGPUB	00001001011110
-	2	((US-6524952-\$ or US-6387185-\$ or	USPAT; US-PGPUB	2003/03/04 14:18
ļ	,	US-5916365-\$ or US-5292554-\$ or US-4423701-\$ or US-4664939-\$).did. or	US-PGPUB	}
		(US-20020197863-\$ or US-20020076490-\$ or		
		US-20020056414-\$).did.) and electrostatic		
_	0	((US-6524952-\$ or US-6387185-\$ or	USPAT;	2003/03/04 14:18
	}	US-5916365-\$ or US-5292554-\$ or	US-PGPUB	
)	US-4423701-\$ or US-4664939-\$).did. or		
)	(US-20020197863-\$ or US-20020076490-\$ or		,
		US-20020056414-\$).did.) and piston		0000 (00 (04 14 00
-	18	atomic adj layer adj deposition and piston	USPAT;	2003/03/04 14:22
	127	deposition and chamber and support and	US-PGPUB USPAT:	2003/03/04 14:23
_	437	wafer and piston	US-PGPUB	2003/03/04 14.23
-	242	(deposition and chamber and support and	USPAT;	2003/03/04 14:23
	2.2	wafer and piston) and region and gas	US-PGPUB	
_	191	((deposition and chamber and support and	USPAT;	2003/03/04 14:25
1		wafer and piston) and region and gas) and	US-PGPUB	
1		@ad<=20010727		
-	94	deposition and wafer adj support and	USPAT;	2003/03/04 14:25
1	0.2	piston	US-PGPUB USPAT;	2003/03/04 14:26
1-	83	(deposition and wafer adj support and piston) and @ad<=20010727	US-PGPUB	2003/03/04 14:20
_	8	((deposition and wafer adj support and	USPAT;	2003/03/04 14:28
		piston) and @ad<=20010727) and wafer adj	US-PGPUB	
		support with piston		
-	1	5228502.pn.	USPAT;	2003/03/04 14:28
İ			US-PGPUB	0000 /07 /05 14 05
-	10	(US-6524952-\$ or US-6387185-\$ or	USPAT;	2003/07/25 14:05
		US-5916365-\$ or US-5292554-\$ or US-4664939-\$ or US-4423701-\$ or	US-PGPUB	}
		US-5518542-\$).did. or (US-20020076490-\$ or		
		US-20020197863-\$ or US-20020056414-\$).did.		
_	1	((US-6524952-\$ or US-6387185-\$ or	USPAT;	2003/07/25 14:06
		US-5916365-\$ or US-5292554-\$ or	US-PGPUB	
1		US-4664939-\$ or US-4423701-\$ or		
1		US-5518542-\$).did. or (US-20020076490-\$ or		
1		US-20020197863-\$ or	}	
1_	8	US-20020056414-\$).did.) and elevation ((US-6524952-\$ or US-6387185-\$ or	USPAT;	2003/07/25 14:11
j	•	US-5916365-\$ or US-5292554-\$ or	US-PGPUB	2000,01,20 19.11
		US-4664939-\$ or US-4423701-\$ or	00 10102	
1		US-5518542-\$).did. or (US-20020076490-\$ or		
		US-20020197863-\$ or		
		US-20020056414-\$).did.) and vertical	*	*
_	58,	dworkin.in.	USPAT;	2003/07/28 11:14
	1		US-PGPUB	2003/07/28 11:56
_	1	dworkin.in. and vendor	USPAT; US-PGPUB	2003/07/28 11:30
_	20721	image adj planes	USPAT;	2003/07/28 11:56
	20,21		US-PGPUB	
-	1159	(image adj planes) and 345/\$.ccls.	USPAT;	2003/07/28 11:56
1			US-PGPUB	
-	680	118/729.ccls.	USPAT;	2003/11/17 16:10
	1	7.10 (7.00	US-PGPUB	0000 (11 (15 5 5 5 5
_	411	118/729.ccls. and (vertical or elevation)	USPAT;	2003/11/17 16:10
_	306	(118/729.ccls. and (vertical or	US-PGPUB	2003/11/17 16:10
	300	elevation)) and deposition	USPAT; US-PGPUB	2000/11/1/ 10:10
L		_ ==	1 22 10101	

_	50	((118/729.ccls. and (vertical or	USPAT;	2003/11/17 16:10
		elevation)) and deposition) and chuck	US-PGPUB	2002/11/17 16:11
_	48	(((118/729.ccls. and (vertical or	USPAT; US-PGPUB	2003/11/17 16:11
		elevation)) and deposition) and chuck) and (zone or chamber)	US-PGPUB	
_	12	((((118/729.ccls. and (vertical or	USPAT;	2003/11/17 16:16
	12	elevation)) and deposition) and chuck) and	US-PGPUB	2003/11/1/ 10:10
		(zone or chamber)) and pedestal	00 10102	
_	9	(((((118/729.ccls. and (vertical or	USPAT;	2003/11/17 16:19
	1	elevation)) and deposition) and chuck) and	US-PGPUB	
		(zone or chamber)) and pedestal) and		
		(((118/729.ccls. and (vertical or		
		elevation)) and deposition) and (pedestal		
		same vertical\$3))		
_	32	((118/729.ccls. and (vertical or	USPAT;	2003/11/17 16:50
		elevation)) and deposition) and (pedestal	US-PGPUB	
	1	same vertical\$3)	110525	0002/11/17 16:07
~	1	6143086.URPN.	USPAT	2003/11/17 16:27 2003/11/17 16:27
_	16	("3306768" "3641974" "4724621" "4938815" "5065698" "5094885"	USPAT	2003/11/1/ 16:2/
		"5135629" "5169684" "5192371"		
		"5213650" "5228501" "5238499"		
		"5304249" "5474612" "5589224"		
		"5803977").PN.		
-	225	(wafer or semiconductor) and (pedestal	USPAT;	2003/11/17 16:51
		same vertical\$4) and (mult\$4 near5	US-PGPUB	
	x-	chamber\$2)		
-	209	((wafer or semiconductor) and (pedestal	USPAT;	2003/11/17 16:51
		same vertical\$4) and (mult\$4 near5	US-PGPUB	
		chamber\$2)) and deposition	(
-	16	5855675.URPN.	USPAT	2003/11/17 16:52
_	37	(((wafer or semiconductor) and (pedestal	USPAT;	2003/11/18 10:02
		same vertical\$4) and (mult\$4 near5	US-PGPUB	,
		chamber\$2)) and deposition) and chuck and		
	25	heater 5909994.URPN.	USPAT	2003/11/18 09:55
_	58	(wafer or semiconductor) and vertical and	USPAT;	2003/11/18 10:03
}	36	multichamber and deposition and chuck and	US-PGPUB	2003/11/10 10:03
		heater	33 13132	
_	66	(wafer or semiconductor) and vertical and	USPAT;	2003/11/18 10:03
		multichamber and deposition and chuck	US-PGPUB	
-	201	(wafer or semiconductor) and vertical and	USPAT;	2003/11/18 10:03
1		multichamber and deposition	US-PGPUB	1
-	172	((wafer or semiconductor) and vertical and	USPAT;	2003/11/18 10:04
		multichamber and deposition) and (pedestal	US-PGPUB	
		or support)	rian -	2002/11/12 12 2=
-	11	(((wafer or semiconductor) and vertical	USPAT;	2003/11/18 10:05
1		and multichamber and deposition) and	US-PGPUB	
_	2	(pedestal or support)) and 700/\$.ccls.	HCDAT	2003/11/18 10:12
1 _	13	6178660.URPN. ("4795299" "4917556" "5228206"	USPAT USPAT	2003/11/18 10:12
-	13	("4793299" "4917336" "5228206" "5423971" "5529657" "5611861"	OBEMI	2003/11/10 10:13
		"5755938" "5759334" "5855675"		
		"5863170" "5880924" "5882165"		
		"5886864").PN.	1	
-	1	4423701.pn.	USPAT;	2003/11/18 10:23
		-	US-PGPUB	
-	1	4423701.pn. and vertical	USPAT;	2003/11/18 10:23
			US-PGPUB	
_	15		USPAT;	2003/11/18 10:40
		US-5518542-\$ or US-4664939-\$ or	US-PGPUB	
j		US-6524952-\$ or US-6387185-\$ or		
		US-5916365-\$ or US-6143086-\$ or		
		US-6497767-\$ or US-6178660-\$ or		7
		US-5772773-\$ or US-6318945-\$).did. or (US-20020056414-\$ or US-20020197863-\$ or		
		US-20020076490-\$).did.		
-	51	multizone and deposition and wafer	USPAT;	2003/11/18 10:45
		and deposition and water	US-PGPUB	2000/11/10 10.40
-	25	(multizone and deposition and wafer) and	USPAT;	2003/11/18 10:40
		vertical	US-PGPUB	
				the second

_	4	((multizone and deposition and wafer) and	USPAT; US-PGPUB	2003/11/18 10:42
_	1	vertical) and pedestal 6352593.pn.	USPAT;	2003/11/18 10:42
	220	(multizone or multi-zone) and deposition	US-PGPUB USPAT; US-PGPUB	2003/11/18 10:46
_	0	and wafer ((multizone or multi-zone) and deposition	USPAT; US-PGPUB	2003/11/18 10:46
-	126	and wafer) and verticle ((multizone or multi-zone) and deposition	USPAT; US-PGPUB	2003/11/18 10:46
-	104	<pre>and wafer) and vertical (((multizone or multi-zone) and deposition and wafer) and vertical) and (support or</pre>	USPAT; US-PGPUB	2003/11/18 10:46
	63	pedestal) ((((multizone or multi-zone) and	USPAT;	2003/11/18 10:46
	03	deposition and wafer) and vertical) and (support or pedestal)) and heater	US-PGPUB	2003,11,10 10.10
-	27	(((((multizone or multi-zone) and deposition and wafer) and vertical) and (support or pedestal)) and heater) and	USPAT; US-PGPUB	2003/11/18 11:12
_	2	chuck 6413321.URPN.	USPAT	2003/11/18 10:50
-	17	("3627590" "4798165" "5045346" "5221414" "5230741" "5238499" "5244730" "5350427" "5366585" "5374594" "5447570" "5589233"	USPAT	2003/11/18 10:50
		"5614055" "5855681" "5871811" "5879128" "6020035").PN.		
-	1329	118/719.ccls.	USPAT; US-PGPUB	2003/11/18 11:12
-	73	118/719.ccls. and pedestal and vertical	USPAT; US-PGPUB	2003/11/18 12:47
_	450	118/719.ccls. and (pedestal or support) and vertical	USPAT; US-PGPUB	2003/11/18 11:13
-	25	(118/719.ccls. and pedestal and vertical) and zone and gas	USPAT; US-PGPUB	2003/11/18 12:55
_	253	118/719.ccls. and aperture	USPAT; US-PGPUB	2003/11/18 12:55
_	171	(118/719.ccls. and aperture) and vertical\$3	USPAT; US-PGPUB	2003/11/18 12:55
_	112	((118/719.ccls. and aperture) and vertical\$3) and wafer	USPAT; US-PGPUB	2003/11/18 12:55
_	56	(((118/719.ccls. and aperture) and vertical\$3) and wafer) and (region or zone)	USPAT; US-PGPUB	2003/11/18 12:57
-	3	((((118/719.ccls. and aperture) and vertical\$3) and wafer) and (region or zone)) and piston	USPAT; US-PGPUB	2003/11/18 13:26
-	30	4430149.URPN.	USPAT	2003/11/18 13:13
_	823	700/121.ccls.	USPAT; US-PGPUB	2003/11/18 13:27
-	257	700/121.ccls. and deposition and wafer	USPAT; US-PGPUB	2003/11/18 13:27
-	11	(700/121.ccls. and deposition and wafer) and zone and aperture	USPAT; US-PGPUB	2003/11/18 13:27
_	44138	438/\$.ccls. and deposition	USPAT; US-PGPUB	2003/11/18 13:30
_	12	(438/\$.ccls. and deposition) and pedestal and piston	USPAT; US-PGPUB	2003/11/18 13:34
-	607	438/680.ccls.	USPAT; US-PGPUB	2003/11/18 13:36
-	10	deposition and wafer adj support and (multizone or multi-zone) and aperture and vertical\$4 and heat\$4	USPAT; US-PGPUB	2003/11/18 13:39
	4	cvd and pedestal same piston	USPAT; US-PGPUB	2003/11/18 13:48
-	17	("4382739" "4513855" "4590380" "4619573" "4632624" "4746256" "4801241" "4861222" "4872947" "4894132" "4902531" "4915564"	USPAT	2003/11/18 13:40
		"4923584" "5051054" "5098198" "5108570" "5131460").PN.		

_	607	438/680.ccls.	USPAT; US-PGPUB	2003/11/18 13:48
_	26	438/680.ccls. and wafer adj support	USPAT;	2003/11/18 14:04
-	25	438/680.ccls. and vertical and pedestal	USPAT; US-PGPUB	2003/11/18 14:04
_	19	(438/680.ccls. and vertical and pedestal) not (438/680.ccls. and wafer adj support)	USPAT; US-PGPUB	2003/11/18 14:09
-	8	("4951601" "5246881" "5366585" "5516367" "5558717" "5846332"	USPAT	2003/11/18 14:06
		"5853607" "5885356").PN.	ticon m	0003/11/10 14-00
-	323	6063441.URPN. 438/478.ccls.	USPAT USPAT; US-PGPUB	2003/11/18 14:08 2003/11/18 14:09
-	14	438/478.ccls. and pedestal	USPAT; US-PGPUB	2003/11/18 14:12
-	690	wafer and deposition and support same screw and vertical	USPAT; US-PGPUB	2003/11/18 14:12
	245		USPAT; US-PGPUB	2003/11/18 14:12
-	123		USPAT; US-PGPUB	2003/11/18 14:13
-	47	(((wafer and deposition and support same screw and vertical) and cvd) and heater) and zone	USPAT; US-PGPUB	2003/11/18 14:20
-	24		USPAT	2003/11/18 14:20
-	38	deposition and wafer and ball adj screw and zone	USPAT; US-PGPUB	2003/11/18 14:31
_	275	cvd and ball adj screw	USPAT; US-PGPUB	2003/11/18 14:31
-	6	(cvd and ball adj screw) and zone and aperture	USPAT; US-PGPUB	2003/11/18 14:31
-	0		USPAT	2003/11/18 15:14
_	10	("5273588" "5418885" "5446825" "5688331" "5796074" "5855675" "5916370" "6001183" "6190113" "6190460").PN.	USPAT	2003/11/18 15:15
_	1	6497767.pn.	USPAT; US-PGPUB	2003/11/18 16:30
-	1	•	USPAT; US-PGPUB	2003/11/18 16:49
-	1	6650346.pn.	USPAT; US-PGPUB	2003/11/18 16:50
	46	("6630030" or "6579372" or "6578287" or "6572705" or "6551406" or "6511539" or "6481945" or "6478872" or "6447607" or "6306216" or "6305314" or "6270572" or "6231672" or "6200893" or "6197683" or "6183563" or "6174377" or "6139700" or "6042652" or "6015590" or "5916365" or "5879459" or "5855680" or "5835677" or "5807792" or "5796116" or "5730802" or "5711811" or "5674786" or "5503875" or "5483919" or "5480818" or "5443647" or	USPAT; US-PGPUB	2004/09/16 14:17
	20	"5441703" or "5374570" or "5338362" or "5294286" or "5281274" or "5261959" or "5225366" or "4993357" or "4975252" or "4834831" or "4413022" or "4389973" or "4058430").pn. (US-6143086-\$ or US-5772773-\$ or US-4664939-\$ or US-423701-\$ or US-5518542-\$ or US-5292554-\$ or US-5385185-\$ or US-6524952-\$ or US-5916365-\$ or US-62497767-\$ or US-6178660-\$ or US-6318945-\$ or US-6178660-\$ or US-6318945-\$ or US-4430149-\$ or US-4949669-\$ or US-4017396-\$).did. or (US-20020056414-\$ or US-20020197863-\$ or US-20020076490-\$).did.	USPAT; US-PGPUB	2004/09/16 16:46

7790777	USPAT;	12004/09/16 16:46	1
- 10 ((US-6143086-\$ or US-5772773-\$ or			1
US-4664939-\$ or US-4423701-\$ or	US-PGPUB		
US-5518542-\$ or US-5292554-\$ or			
US-6387185-\$ or US-6524952-\$ or			1
US-5916365-\$ or US-6497767-\$ or			
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US-6017396-\$).did. or (US-20020056414-\$ or			
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